



A.D. 1856 N° 258.

SPECIFICATION

OF

AUBIN EMILE COULLARD DESCOS.

FIRE-PLACES, &c.

LONDON:

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Fire-places, &c.

(This Invention received Provisional Protection, but notice to proceed with the application for Letters Patent was not given within the time prescribed by the Act.)

PROVISIONAL SPECIFICATION left by Aubin Emile Coullard Descos at the Office of the Commissioners of Patents, with his Petition, on the 31st January 1856.

I, AUBIN EMILE COULLARD DESCOS, of Paris, in the Empire of France,
5 do hereby declare the nature of the said Invention for “IMPROVEMENTS IN CONSUMING SMOKE,” to be as follows:—

The smoke-consuming hearth is composed of a chamber, having on its walls three openings; the first for charging the fuel, the second one on the adjacent wall for placing therein an horizontal twyer with a moveable inclination; this
10 twyer extends on the whole dimension of the wall where it is inserted. The third one on the opposite wall of the twyer puts the chamber into communication with the flue by which the gaseous products escape. The chamber is divided at about half its height into two compartments by an almost horizontal grate. This grate does not take up the whole length of the chamber, & leaves
15 room for a passage, beneath which the twyer is blowing, the latter being placed a little below the grate. A second vertically inclined grate, leaning on the former, closes the opening of the escape flue. The fuel is put on the first grate, kept back by the second one; it develops its smoke in the superior

Descos' Improvements in Consuming Smoke.

chamber. This smoke is carried away by the current of air which escapes from the twyer in the ash box ; it mixes with the atmospheric air of the same current, & passes again under the grate, where it is entirely consumed by the contact of a distilled fuel in order to escape by the flues.

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